

1 / 4

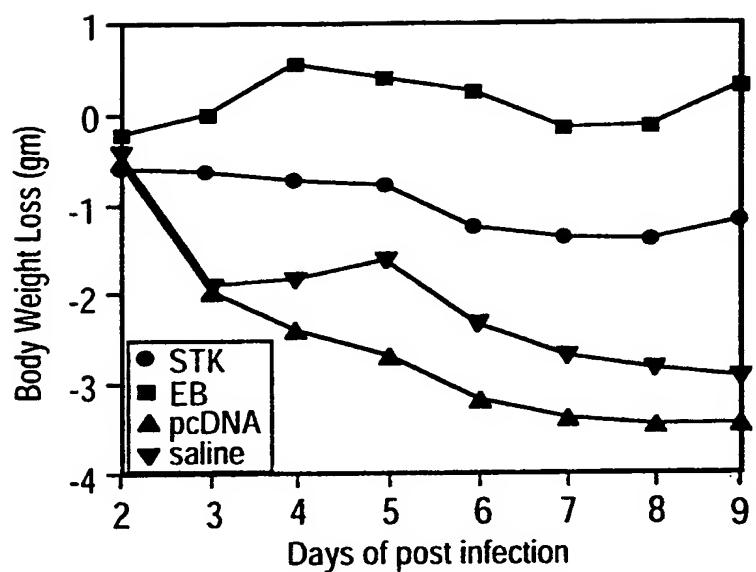
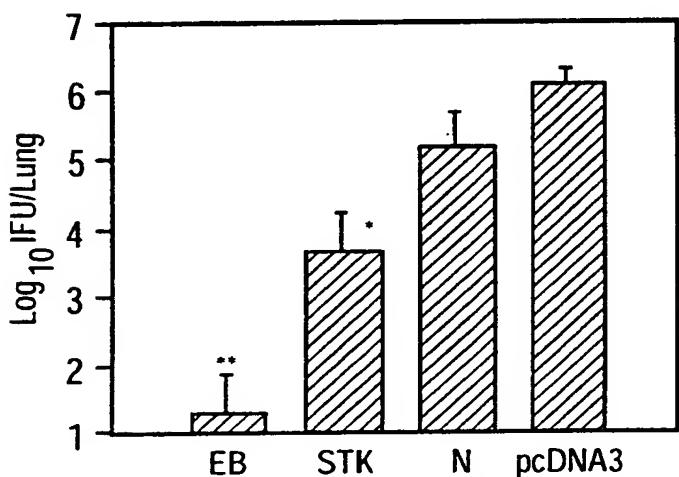


FIG.1A



\* p<0.05, \*\*p<0.01, when compared with pcDNA3 group

FIG.1B

2 / 4

## Construction of pSTK

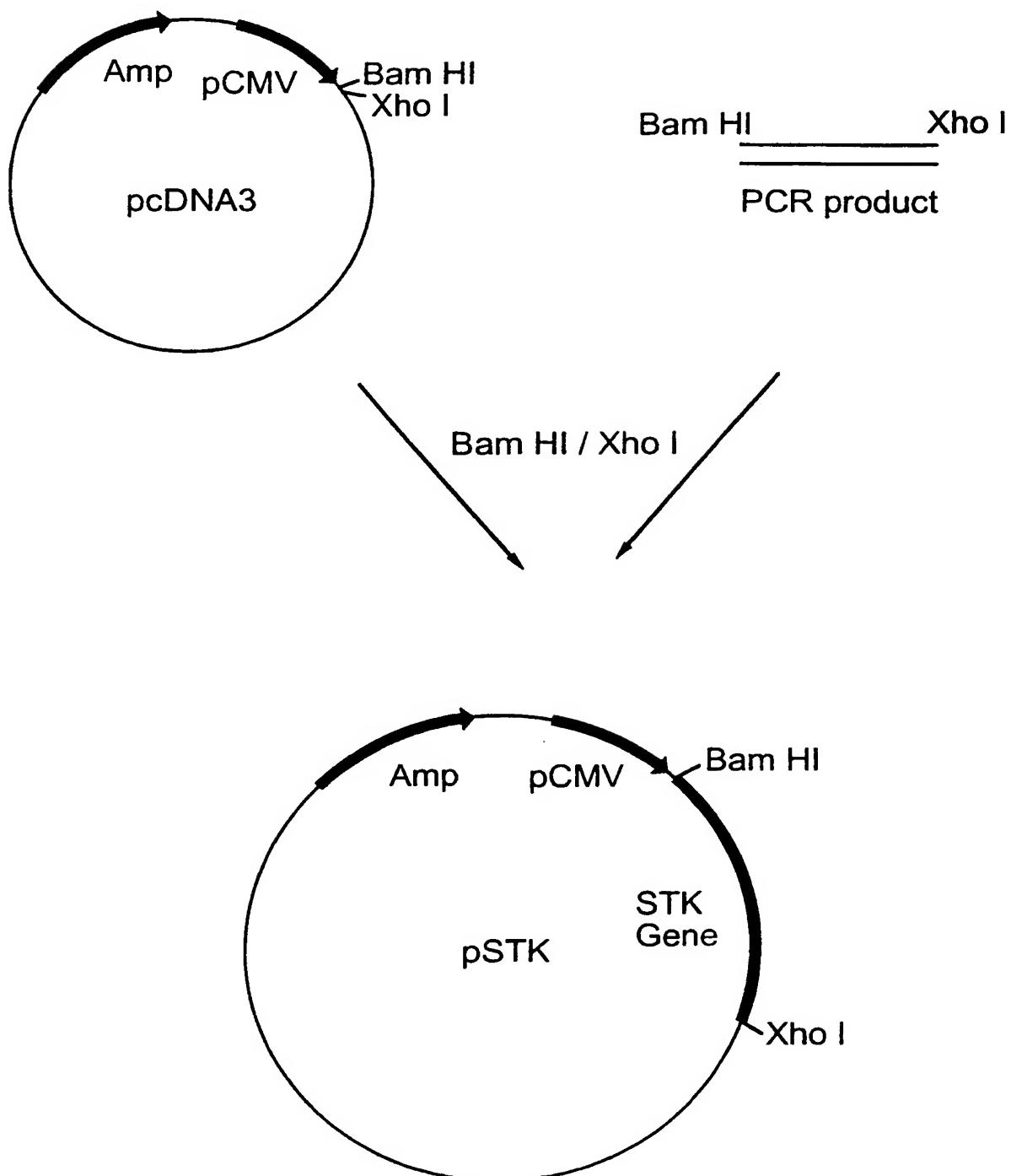


FIG.2

3 / 4

## FIG.3A

*Chlamydia trachomatis* Serine threonine kinase gene (STK)

&gt;stk gene, 1467 bases

1	ATG	CTT	GAA	TTC	GGC	GTA	TCG	TTT	CCT	TCC	AAG	ACT	AAA	TAT	CTT	45
46	CTG	ACA	CGA	CTT	AGT	CGT	AAG	GTA	GGC	TTC	GTC	TAT	CAA	90		
91	CGA	GTG	GAT	GAG	AGT	TCT	TCT	CGT	GTC	GTC	ATC	AAA	GCA	TTG	135	
136	GTA	TCT	CCA	CGG	ATT	CAT	GAC	CGG	CGT	TTT	CCT	CGT	GCT	TTT	GAA	180
181	GAA	GAA	GCT	AGG	ATT	ATG	CAA	CTT	GTA	GAT	CAT	CCG	GCA	TTT	GTT	225
226	CGA	TTC	GAA	AAA	GGT	GAG	TGG	GAG	CAA	CGT	TAT	TTC	GTT	270		
271	TCT	GAA	TAT	TTC	GGG	CAT	TCA	TTC	TTG	CGA	CGT	TAT	TTC	GTT	315	
316	TCT	CAT	CTC	GCT	TTC	GAT	TTG	GCA	GTT	TCT	ATT	GTT	TTA	CAA	GTA	360
361	GCG	CAG	GCA	ATA	ACG	GCT	CTT	CAT	AAA	CAT	CAT	GTT	TTA	CAT	CTC	405
406	GAT	ATT	AAA	CCT	GAA	AAC	ATC	ATG	ATT	TCT	CCG	TTC	GGA	GAG	GTC	450
451	AAG	TTG	ATC	GAT	TAT	GGG	CTT	TCA	GCC	TGG	CAA	TTT	AAT	CAT	TGG	495
496	GCT	TCG	CCT	GCA	TAT	ATG	AGT	CCC	GAA	CAG	AGC	AGG	CAG	GAA	AAG	540
541	CTA	TCT	CCC	GCA	TCC	GAT	GTC	TAT	GCT	TTA	GCT	TTG	TTA	GCT	TAT	585
586	GAG	CTG	ATT	ATG	GGG	CAG	CTT	TCT	TTC	GGA	AAG	GTC	TAT	TTA	TCT	630
631	TTA	CTC	CCC	GTA	AAG	ATT	AGT	AAA	GTG	TTA	ACT	CAA	GCA	TIG	CAA	675
676	CCA	GAC	CCA	GAA	GCA	CGG	TTT	CCT	TCT	ATG	CAA	GAAG	TTT	GCT	ACG	720
721	GCT	TTG	CAA	GAT	TAT	CTT	ATG	CAT	GAT	GTG	CAC	GAA	CAT	TAT	CGT	765
766	AAA	AAA	GAT	CCG	GTA	ATC	ATG	CAG	TTT	GAA	CAG	TTC	CAG	CAA	CAA	810
811	AAT	ATG	TGG	CTG	GCT	CCA	GAT	AAG	CTT	TGC	ATG	CCG	GAA	GGG	ATG	855
856	GCT	CTG	CAC	ATT	TAT	TCA	CAA	AAA	GAG	CCC	TGT	GAT	TTA	CAT	AAT	900
901	GTT	TAC	TAT	GAT	ATA	CTT	AGG	TCT	GAG	GAT	ATA	GAA	TTG	TGG		945

4 / 4

## FIG.3B

946	TTC	TGT	TAT	GCT	CAG	GGG	CAC	TGT	AGT	TTT	GCT	CTT	AGT	ATG	ATC	990	
991	AAA	CAG	CAG	TTT	CTT	AAT	CAG	CGA	ACA	GAG	AAA	GCG	CAA	GAT	ATC	CCA	1035
1036	ACA	GTA	ATA	AAA	ACA	TTC	GAT	ACT	CTT	TGT	AAA	ACA	ATG	CAT	ATT	1080	
1081	CCG	CTT	TGT	GAA	AAA	GGG	ATT	TCC	TGC	TGC	TGT	TTT	ATA	TTT	TTC	1125	
1126	CAA	CAA	GAA	CTC	ATG	TCC	TTT	TCT	TGT	GGG	AAA	ACT	GAT	TTC	TCG	1170	
1171	TIA	AAA	AAG	CAA	ACG	AGG	GCA	GTG	CAA	CGT	TTT	CAA	GCG	GAA	TCG	1215	
1216	CAA	CGA	ATA	GGG	GAA	GAG	GCA	CCC	CTG	GAG	ATC	CAC	AAA	CAA	TCT	1260	
1261	TTT	TTG	TGG	GAA	CCT	GGT	GAT	GAG	CTT	ATC	GTA	CAC	ACC	CCG	AGG	1305	
1306	GCT	AGA	GAT	TTG	GTA	TAT	TTA	TAC	TGT	CCT	TCT	TTC	CTG	AAG	TTC	1350	
1351	CAA	GAT	AGA	GGG	CAA	ATG	GAT	ATA	TTG	TGC	CAA	ACA	GAT	TAC	CTT	1395	
1396	CAG	AAG	GAA	GTG	AGG	CAG	AAG	TAT	GAC	CGA	AGT	CTT	TAT	CCT	TCA	1440	
1441	ACA	CTT	ATC	ACC	TIA	AAA	ACA	GTC	CGG							1467	